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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,003	06/24/2005	Jonas Salomonson	43318-204695	5256
26694 VENABLE LL	7590 09/06/2007 P		EXAM	INER
P.O. BOX 343	35		NGUYEN, PHU HOANG	
WASHINGTO	N, DC 20043-9998	•	ART UNIT	PAPER NUMBER
			1731	
			MAIL DATE	DELIVERY MODE
			09/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
10/500,003 SALOMONSON ET AL.					
Office Action Summary					
omeenenen cumuu,	Examiner	Art Unit			
The MAILING DATE of this communication ap	Phu H. Nguyen	1731			
Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING ID. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statuly any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N nely filed the mailting date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 20.	June 2007.				
2a)⊠ This action is FINAL . 2b)☐ Thi	This action is FINAL . 2b) This action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) <u>9-19</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☒ Claim(s) <u>9-19</u> is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.	,			
Application Papers					
9) The specification is objected to by the Examin 10) The drawing(s) filed on 20 June 2007 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	a) \square accepted or b) \square objected to e drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. Its have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate			

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 9-11 are rejected under 35 U.S.C. 102(b) as being anticipated by applicant's admitted prior art Nielsen (WO 01/70128 A1).

Regarding claim 9, Nielsen discloses a method of making artificial dental bridges, comprising:

Applying a suspension comprising particles to densely sintered high strength ceramic individual bridge parts;

drying the suspension comprising particles to form a layer of particles; applying a suspension of glass material to the layer of particles; and

heat treating to a sufficient temperature and for a sufficient time so that the glass material melts and penetrated completely through the joint (corresponding to the claimed "heat treating the individual bridge parts with the applied layer particles and the suspension of glass material with a one step heat treatment" recites in the instant claim 1) (Specification of the instant application, paragraph 12).

Regarding claim 10, Nielson discloses the suspension comprising particles comprises particles, dispersant for the particles, binder for the particles, and a solvent (Specification of the instant application, paragraph 12).

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Regarding claim 11, Nielson discloses the particles comprise aluminum oxide particles (Abstract).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 12-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's admitted prior art Nielsen (WO 01/70128 A1) as applied to claims 9-11 above, and further in view of applicant's admitted prior art Salomonson (WO 9913795).

Nielsen does not expressly disclose the properties of the individual bridges parts and the glass material. However these properties are well known and desired in the dental bridge art (to avoid distortion of the bridge, obtain a good esthetics and optimal fit) as shown by Salomonson (claims 2-8 and page 5, line 2-23). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the desired properties for the individual bridges parts and the glass material for the advantages taught by Salomonson in the method taught by Nielsen.

Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's admitted prior art Nielsen (WO 01/70128 A1) as applied to claims 9-11 above, and further in view Scherer (U.S Patent No. 4574063). Nielsen does not expressly discloses that particles in the layer of particles are large enough such that drying stresses on removal of the solvent do not lead to catastrophic failure of the dental

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bridge. Scherer discloses the cracking problem is avoided with the relatively large particle sizes of suspended oxides (column 1, line 53-59). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use particles large enough in the method taught by Nielsen to avoid cracking as taught by Scherer.

Response to Arguments

Applicant's arguments with respect to claims 9-19 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu H. Nguyen whose telephone number is 571-272-5931. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571-272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

P.N 8/28/2007

STEVEN P. GRIFFIN SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700